

Title (en)
NEUROSTIMULATOR AND MANUFACTURING METHOD THEREOF

Title (de)
NEUROSTIMULATOR UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
NEUROSTIMULATEUR ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3741427 A4 20210324 (EN)

Application
EP 18901714 A 20180516

Priority
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• CN 2018087065 W 20180516

Abstract (en)
[origin: EP3741427A1] A nerve stimulator and a manufacturing method thereof. The nerve stimulator includes a glass substrate (1), and a plurality of metal pins (2) provided on the substrate (1), wherein the metal pins (2) form stimulation portions on one side of the substrate (1), and the density of the metal pins (2) is greater than 15 Pin/mm². The stimulation portions in the present nerve stimulator have a high density and a good stimulation effect. The processing method thereof is to cut out a high-density metal pin array first by using a metal underlayer, then the manufacturing method overcomes the deficiency in the prior art that it is rather difficult to manufacture a high density of nerve stimulation electrodes by using other substrates such as ceramics and the like.

IPC 8 full level
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Citation (search report)
• [I] CN 105214214 A 20160106 - WENZHOU INST OF BIOMATERIALS AND ENGINEERING WIBE
• [A] US 8000804 B1 20110816 - WESSENDORF KURT O [US], et al
• [A] US 2017252555 A1 20170907 - GREENBERG ROBERT J [US], et al
• [A] US 2009301994 A1 20091210 - BHANDARI RAJMOHAN [US], et al
• See also references of WO 2019140816A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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